

8U Series

Sealed Ultraminiature Pushbutton Switches



SPECIFICATIONS

CONTACT RATING: 0.4 VA max. @ 20 V AC or DC max.

MECHANICAL LIFE: 40,000 make-and-break cycles.

CONTACT RESISTANCE: **Below** 100 mΩ typ. initial @ 2-4VDC, 100mA.

INSULATION RESISTANCE: 500 MΩ min.

DIELECTRIC STRENGTH: 500 Vrms min.@sea level.

OPERATING TEMPERATURE: -40°C to 85°C.

MATERIALS

HOUSING AND BASE:Glass filled nylon 6/6 or 4/6 , flame retardant ,heat stabilized(UL94V-0)

ACTUATOR:Glass filled nylon 6/6 , flame retardant, heat stabilized (UL94V-0), with standard internal o-ring seal.

SWITCH SUPPORT: Steel,with Sn plate.

CONTACT: Phosphor bronze,Gold plated.

TERMINALS: Brass,Gold plated.

IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

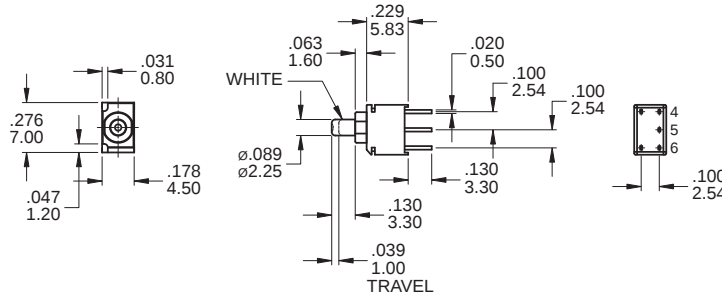


HOW TO ORDER

MODEL NO.	ACTUATOR	HOUSING	TERMINATIONS	TERMINAL MATERIAL	SEAL	RoHS SOLDERING
□□□□	□□□	□□	□□	□	E	□
Model NO. 8US8 SP ON-(ON) 8UD8 DP ON-(ON) 8US9 SP OFF-(ON) 8UD9 DP OFF-(ON)	Actuator W1 3.30 high (STD) WR1 CAP (White) WR2 CAP (Black std) WR3 CAP (Red)	Housing C2 1.60 high (STD)	Terminations M2 PC thru-hole M6 Right angle, PC thru-hole M7 Vertical right angle, PC thru-hole	Terminal material R Gold	Seal E EPOXY (std)	RoHS soldering S RoHS & Lead Free

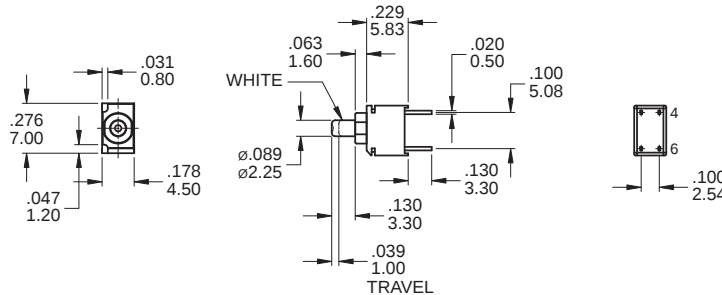
NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
		POS.1	POS.2	POS.1	POS.2
SP	8US8	ON	(ON)	5-6 	5-4
	8US9	OFF	(ON)	OPEN 	4-6
DP	8UD8	ON	(ON)	2-3,5-6 	2-1,5-4
	8UD9	OFF	(ON)	OPEN 	1-3,4-6

POLE OPTIONS

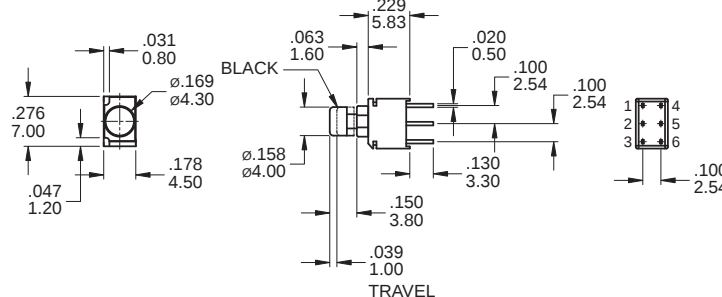


Technical drawing of a mechanical part showing dimensions and tolerances. The drawing includes a central vertical axis with three horizontal lines extending from it, labeled 4, 5, and 6. The top horizontal line is labeled .100 and 2.54. The middle horizontal line is labeled .100 and 2.54. The bottom horizontal line is labeled .100 and 2.54. The central vertical axis is labeled .035 and .089. The drawing also shows a cross-section of the part with a central hole and a smaller hole on the left side.

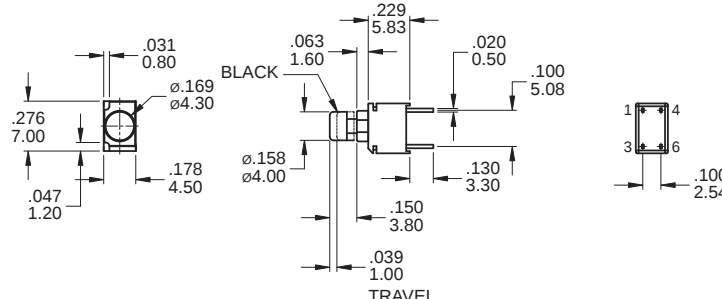
Part No. Shown : 8US8W1C2M2RE



Part No. Shown : 8US9W1C2M2RE



Part No. Shown : 8UD8WR2C2M2RE

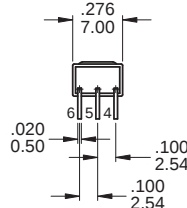
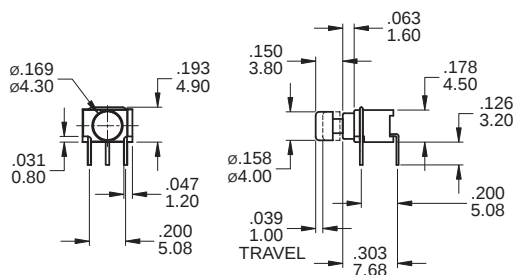


Part No. Shown : 8UD9WR2C2M2RE

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M6

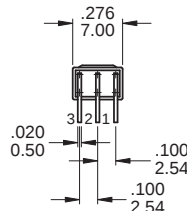
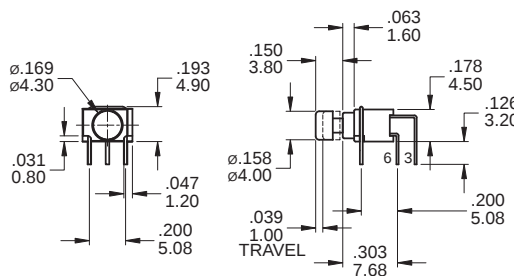


P.C. MOUNTING

SPDT

Part No. Shown : 8US8WR2C2M6RE

M6

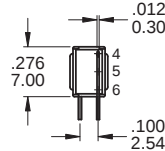
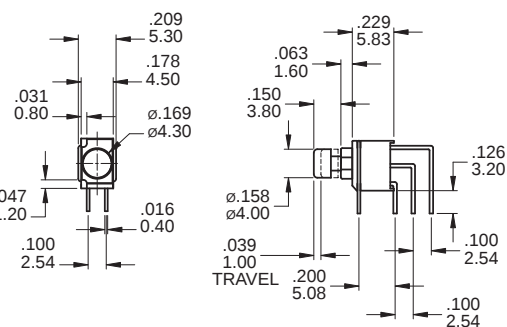


P.C. MOUNTING

DPDT

Part No. Shown : 8UD8WR2C2M6RE

M7

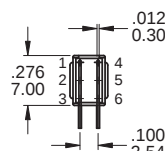
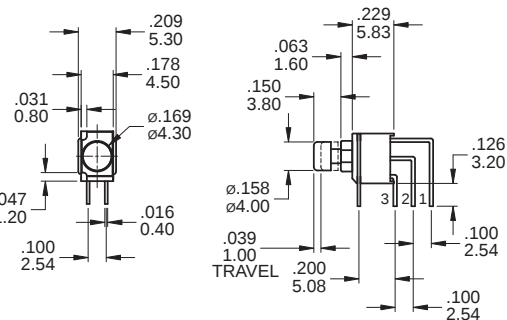


P.C. MOUNTING

SPDT

Part No. Shown : 8US8WR2C2M7RE

M7



P.C. MOUNTING

DPDT

Part No. Shown : 8UD8WR2C2M7RE

SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature: $270 \pm 5^{\circ}\text{C}$

Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)